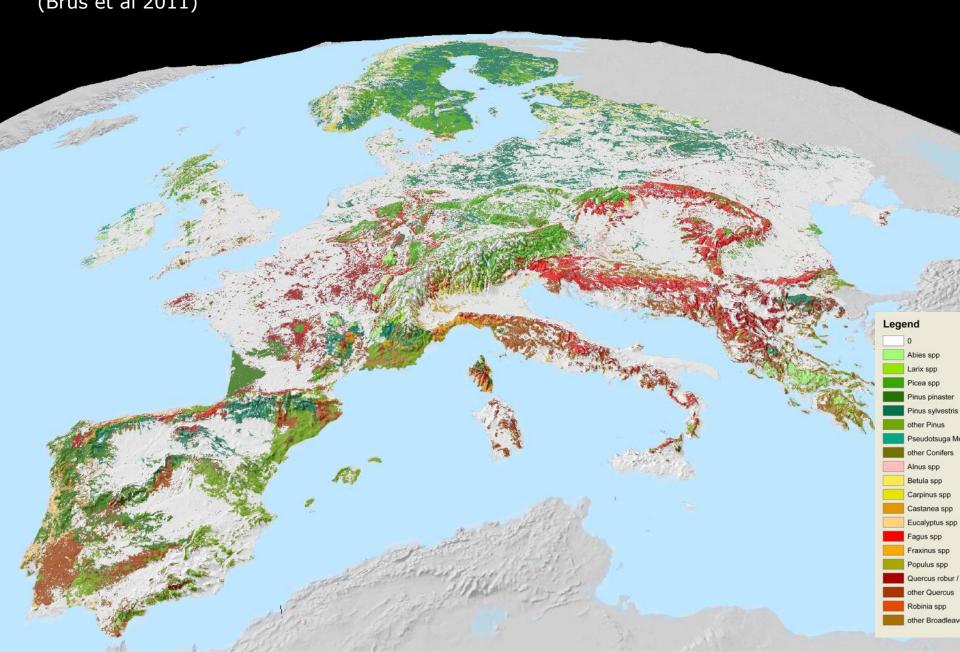
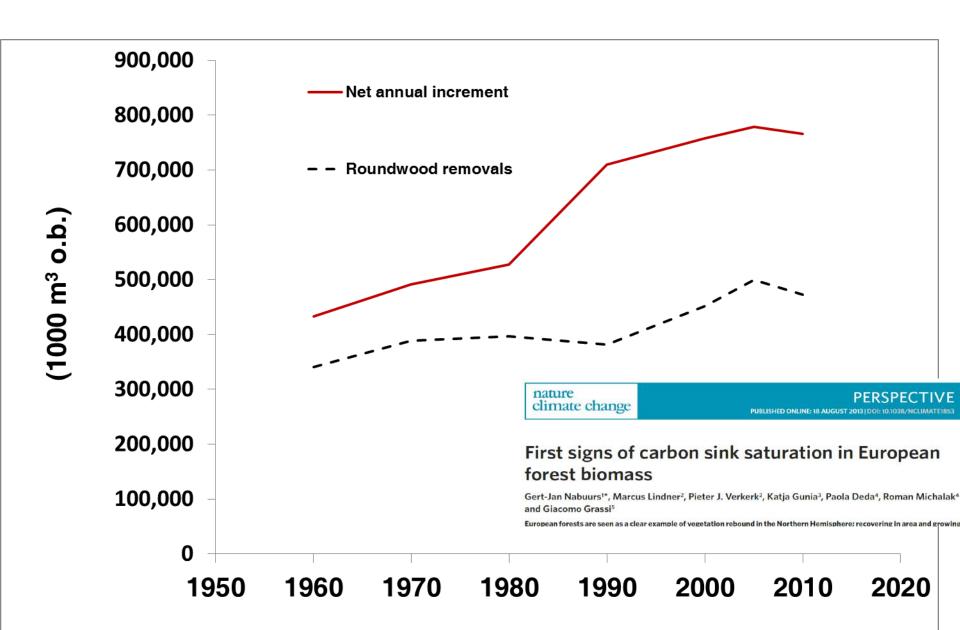




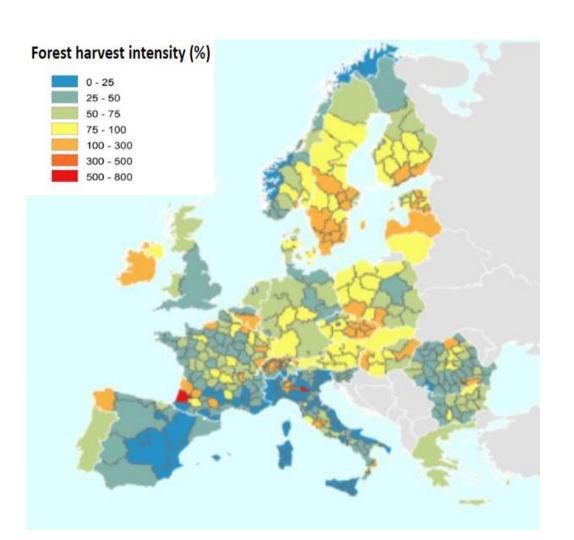
European forests, 1x1 km, tree species map (Brus et al 2011)



Growth & harvest at European scale

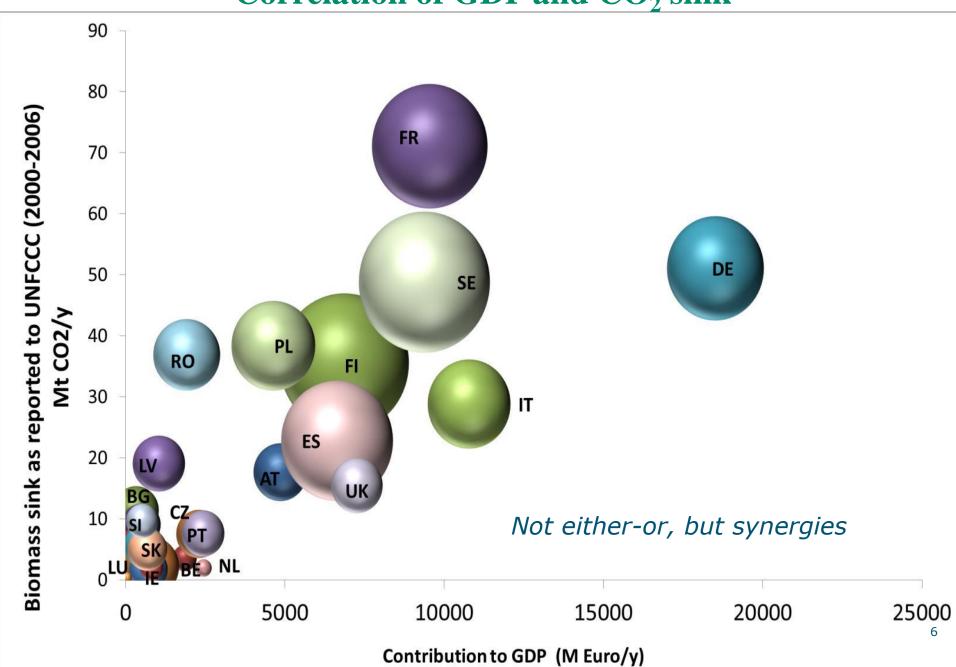


Harvest intensity varies a lot



- **EFISCEN:** Harvesting intensity as % of increment (Levers et al. 2014)
- the variety is an entrance to design measures

Correlation of GDP and CO₂ sink

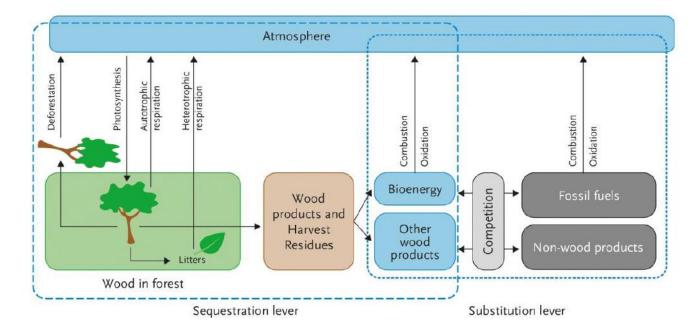


Role and potential in CO2 sink and substitution



Present role of the European forest

- Sink 450 Mt CO2, or 10% of emissions
- Wood products sink of 44 Mt CO2 + substituting aluminum and plastics.
- Biomass for bioenergy provides 6-7% of total EU energy need

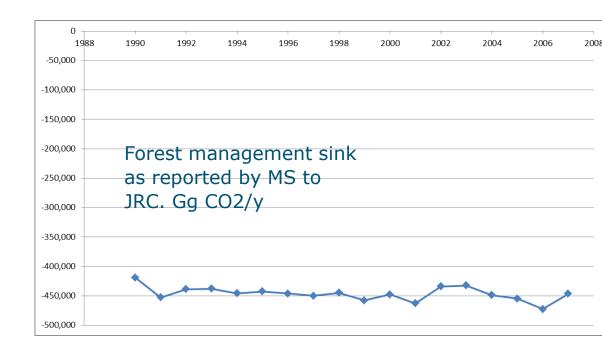




'we may loose the carbon', ..'trees burn', etc

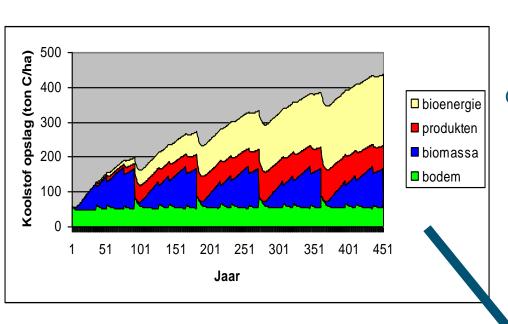
The only sector that has made a consistent and significant contribution, every year since 1990!

..ask Volkswagen what they achieved in 25 yrs..





One stand through time versus a forest estate



CO2FIX model

Temporal variation becomes spatial variation.

Carbon continuously flows through the forest system, and large losses can occur locally. But at large scale a continuous build-up occurred in EU

